

ABSTRACT OF THE DISCLOSURE

An Nb₃Sn-based superconductive wire which, when used in a superconductive magnet, manifests sufficient strength also against force along the radius direction in operating the magnet and reveals little deterioration in properties due to mechanical strain ascribable to the force along the radius direction is provided. An Nb₃Sn-based superconductive wire comprising a bronze/filament aggregate obtained by placing a lot of niobium (Nb) or niobium alloy filaments in a copper (Cu) - tin (Sn) - based alloy matrix, wherein said niobium or niobium alloy filament constituting the bronze/filament aggregate 3' is a composite filament 5 obtained by combining with a filament reinforcing material having mechanical strength under temperature not more than room temperature after thermal treatment for producing an Nb₃Sn-based superconductive compound, larger than the mechanical strength of the niobium or niobium alloy.